

C3 outlet line for the treated light gasoline cut, said zone also comprising at least one catalyst bed containing 0.1-1 % of palladium deposited on a support, and said apparatus further comprising a line (13) for taking the stripped and sweetened light gasoline out of the apparatus, and connected either to the zone (9) or to the zone (12) if present.

IN THE CLAIMS

Please cancel claims 10, 13, 14 and 17.

Please amend the claims as follows:

--11. (Amended) An apparatus according to claim 18, further comprising a selective diene hydrogenation zone located between said fractionation column and said hydrotreatment zone, said hydrogenation zone comprising a gasoline inlet line in fluid communication with said first discharge line (3) for introducing a first gasoline cut, and a dedienized first gasoline cut outlet line.

C4 12. (Twice Amended) An apparatus according to claim 18, further comprising a hydrotreating zone (15) for hydrotreating a second gasoline cut, said hydrotreating zone having a gasoline cut inlet line which is in fluid communication with said second discharge line (4) for introducing a second gasoline cut from said fractionation column, a first hydrotreated cut outlet line (16), and a hydrogen supply line (17) connected to said gasoline cut inlet line (4) or said hydrotreating zone, and a stripping column (18) having a hydrotreated cut inlet line in fluid communication with said first hydrotreated cut outlet line, an H₂S outlet line (19), and a second hydrotreated cut outlet line (20).

C5 15. An apparatus according to claim 13, further comprising a selective diene hydrogenation zone located between said fractionation column and said hydrotreatment zone, said hydrogenation zone comprising a gasoline inlet line in fluid communication with said first discharge line (3) for introducing a first gasoline cut, and a dedienized first gasoline cut outlet line.